



A Temporary Rock Silt Check A is a small dam structure with a distinguishable weir outlet to be used in drainage ditches where it outlets off-site or into streams. It can also be incorporated with Temporary Silt Fence for use in Environmentally Sensitive Areas and wetlands that allows for drainage of built up flow behind the fence. Type-A temporary rock checks will be built in the same manner as the temporary rock sediment dam. The type-A temporary rock check, however, does not have a defined sediment area, rather, it utilizes a natural formed pit for limited silt storage. The type-A temporary rock silt check utilizes Class B stone lined with sediment control stone in conjunction with a naturally formed storage area to trap sediment.

AREAS OF USE:

- Outlets of temporary diversions, temporary silt ditches, channels and temporary slope drains.
- Environmentally Sensitive Areas and wetlands where excavation is not permitted and storage capacity is limited.
- Locations where the type-A temporary rock check can be easily cleaned and maintained
- Locations where runoff is exiting the project and larger sediment devices are not feasible, such as turnouts and natural drainage patterns.

DESIGN CRITERIA:

- Drainage area shall be one acre or less.
- Volume should be designed for 3600 cubic feet per acre of disturbance.
- Limit storage capacity of type-A temporary rock silt check to 275 cubic feet.

CONSTRUCTION SPECIFICATIONS:

- The structural stone shall be Class B stone faced with sediment control stone in the direction of flow to a minimum depth of 12 inches.
- Side slopes of stone should be 2:1 or flatter.
- Length of apron on lower side of dam should be approximately 3 times the dam height.
- Weir length should be 2/3 of the channel width.
- The weir section height shall be a minimum of 1 ft.
- The depth of the weir section shall be a minimum of 2 ft.

MATERIAL SPECIFICATIONS:

- Structural stone shall be class B stone that meets the requirements of Section 1042 of the Standard Specifications for Stone for Erosion Control, Class B.
- Sediment control stone shall be #5 or #57 stone, which meets the requirements of Section 1005 of the Standard Specifications for these stone sizes.



PAYMENT:

- Installation of measure:

Stone for Erosion Control Class B

Ton

Sediment Control Stone

Ton

- Silt Cleanout of Device:

Silt Excavation

Cubic Yard

MAINTENANCE:

- Inspect after each significant rainfall.
- Remove silt from device when silt accumulates to one-half the height of the weir section.
- Replace or clean sediment control stone when water no longer drains through the device between rainfall events.
- Rebuild and reshape rock weir and check when the device is damaged.

TYPICAL PROBLEMS:

- Silt accumulation is not removed when needed.
- Rock structure is not rebuilt when damaged by storms, equipment, etc.
- Rock structure and weir are not constructed to specifications.
- Rock structure is constructed higher than the drainage ditch causing water to flow around the measure and erode ditch.
- Rock structure is not built wide enough to intercept ditch slope at top of check.